

# Converting Colors

XYZ(48.4031, 77.3226, 43.4555)

Have a look what the booklet for  
XYZ(48.4031, 77.3226, 43.4555)  
contains.

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# Color

**XYZ(48.3585, 77.3313,  
43.3880)**

# Conversions

## Conversions Part 1

Format	Color
Hex	70FF9B
RGB	112, 255, 155
RGB Percent	44%, 100%, 61%
CMY	0.5608, 0.0000, 0.3921
CMYK	0.56, 0.00, 0.39, 0.00
HSL	138°, 100%, 72%
HSV	138°, 56%, 100%
XYZ	48.3585, 77.3313, 43.3880
YIQ	200.8430, -53.1280, -61.4160

# Conversions

## Conversions Part 2

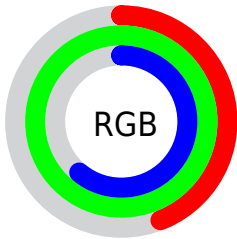
Format	Color
<a href="#">RYB</a>	<a href="#">112, 222, 255</a>
Decimal	<a href="#">7405467</a>
CIELab	<a href="#">90.47, -59.78, 36.40</a>
CIElCh	<a href="#">90, 69.989, 148.661</a>
Yxy	<a href="#">77.3313, 0.2860, 0.4574</a>
Android (android.graphics.Color)	<a href="#">4285595547 (0xFF70FF9B)</a>
YUV	<a href="#">200.8430, -22.6006, -77.9153</a>
Hunter-Lab	<a href="#">87.9382, -55.7321, 32.3035</a>

# Details

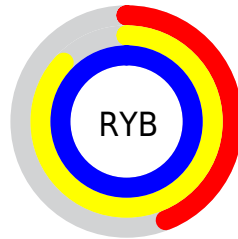
The XYZ color **48.3585, 77.3313, 43.3880** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **58.9180, 37.6023, 66.4396**, and the grayscale version is **55.5792, 58.4737, 63.6778**.

A 20% lighter version of the original color is **64.6264, 85.0574, 73.9843**, and **23.2895, 41.3629, 19.5883** is the 20% darker color. If you saturate the color by 10%, you get **44.1718, 75.3334, 35.9439**, and if you desaturate by 10%, it is **53.6859, 79.8916, 52.0425**.

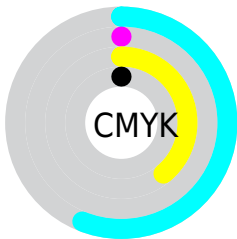
# Distribution



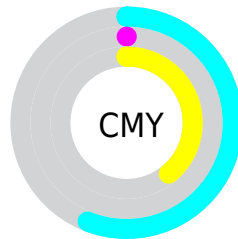
- Red (44%)
- Green (100%)
- Blue (61%)



- Red (44%)
- Yellow (87%)
- Blue (100%)



- Cyan (56%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)




- Cyan (56%)
- Magenta (0%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.3585, 77.3313, 43.3880 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 48.3585, 77.3313, 43.3880 by changing the saturation by 10% instead.





 48.3585, 77.3313,  
43.3880


 48.3585, 77.3313,  
43.3880


370.7704,  
485.8929, 376.1730


 34.3233, 57.5248,  
29.8560


 86.9444, 129.6070,  
81.5887

 23.3061, 41.4268,  
19.4782


 112.2258,  
162.8451, 107.0944

 14.9417, 28.6527,  
11.8360


 141.9867,  
201.3291, 137.4285

 8.8645, 18.8182,  
6.5109

176.5924,  
245.4435, 173.0095

 4.7093, 11.5390,  
3.0844

216.4082,  
295.5727, 214.2559

 2.1107, 6.4306,  
1.1379

261.7996,

 0.6950, 3.1087,

352.1011, 261.5862

0.0000

313.1319,  
415.4130, 315.4191

0.0000, 1.1887,  
0.0000

0.0000, 0.0525,  
0.0000

48.3585, 77.3313,  
43.3880

48.3585, 77.3313,  
43.3880

44.1718, 75.3334,  
35.9439

53.6859, 79.8916,  
52.0425

41.0348, 73.8522,  
29.6518

60.2320, 83.0537,  
61.9545

38.8442, 72.8357,  
24.4539

68.0696, 86.8539,  
73.1735

37.4727, 72.2196,  
20.2857

77.2651, 91.3256,  
85.7449

■ 37.0883, 72.0513,  
18.9147

■ 87.8802, 96.4998,  
99.7119

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



58.5234, 77.3313, 24.8132



48.3585, 77.3313, 43.3880



44.7481, 77.3313, 81.9707

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



48.3585, 77.3313, 43.3880



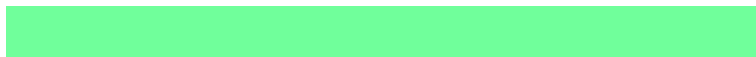
72.7183, 77.3313, 221.8390



107.1324, 77.3313, 45.9412

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



48.3585, 77.3313, 43.3880



58.9180, 37.6023, 66.4396

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



112.5049, 77.3313, 86.4706



48.3585, 77.3313, 43.3880



90.8382, 77.3313, 200.1286

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



48.3585, 77.3313, 43.3880



57.3623, 77.3313, 196.1482



106.1257, 77.3313, 144.8771



92.4142, 77.3313, 25.8230



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.3585, 77.3313, 43.3880



46.0233, 77.3313, 118.9279



106.1257, 77.3313, 144.8771



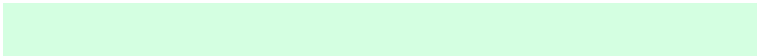
110.1851, 77.3313, 56.9918

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



48.3590, 77.3315, 43.3893



76.3583, 90.8842, 84.5274



65.8652, 86.7019, 28.5936



15.9300, 19.2516, 17.5336



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.3590, 77.3315, 43.3893



43.8399, 75.1759, 35.3161



56.2249, 80.4779, 84.8104



17.9963, 20.2581, 20.2838



19.4367, 37.6713, 10.1849



1.9383, 3.6863, 1.2331



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



58.9180, 37.6023, 66.4396



55.2760, 31.9656, 60.1472



51.8125, 34.7601, 29.0228



18.5463, 18.2018, 21.4940



25.8337, 12.8228, 23.5726

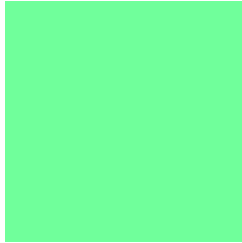


2.5637, 1.2679, 2.5500



# Previews

## White Background



This preview shows how the XYZ color 48.3585, 77.3313, 43.3880 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

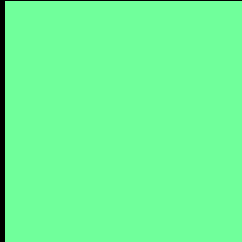
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.3585, 77.3313, 43.3880 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

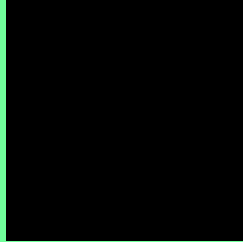
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 48.3585, 77.3313, 43.3880**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.3585, 77.3313, 43.3880.



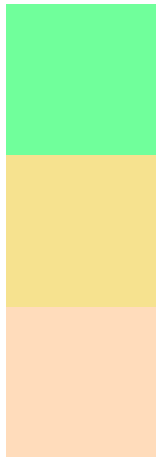
This preview shows how white text looks on a background with the XYZ color 48.3585, 77.3313,

43.3880.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

48.3585, 77.3313, 43.3880

### Protanopia

70.1603, 75.9687, 36.9522

### Deuteranopia

75.8028, 76.0343, 57.6945



## Tritanopia

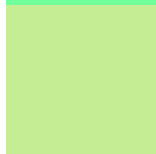
64.0208, 76.7395, 106.0457

# Trichromacy



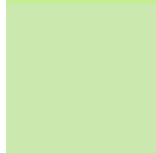
## Original Color

48.3585, 77.3313, 43.3880



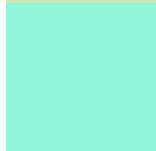
## Protanomaly

58.5766, 74.5453, 38.9051



## Deuteranomaly

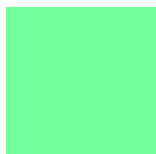
61.5054, 74.0695, 51.6126



## Tritanomaly

56.9402, 76.3486, 78.7535

# Monochromacy



## Original Color

48.3585, 77.3313, 43.3880



## Achromatopsia

55.5167, 58.4078, 63.6061



## Achromatomaly

50.8704, 63.6086, 54.9439

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.3585, 77.3313, 43.3880 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(112, 255, 155)` looks like.

```
.text, #text, p{  
    color:rgb(112, 255, 155)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(112, 255, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 255, 155) }
```

## Border

The CSS property to change the border of an element to XYZ 48.3585, 77.3313, 43.3880 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(112, 255, 155) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(112, 255, 155) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(112, 255, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 255, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 255, 155);  
box-shadow:4px 4px 4px 4px rgb(112, 255,  
155) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.3585, 77.3313, 43.3880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 255, 155) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(112,  
255, 155) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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